

Design Of C Band Microstrip Patch Antenna For Radar

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Design Of C Band Microstrip

Design of C-Band Microstrip Patch Antenna for Radar ...

Design of C-Band Microstrip Patch Antenna for Radar Applications Using IE3D [wwwiosrjournalsorg](#) 52 | Page Radar systems for weather forecasting purposes are to be accommodated in the frequency allocations of the radiolocation service and/or the meteorological aids service

DESIGN OF 2X4 MICROSTRIP MONOPULSE PATCH ANTENNA ...

Design of 2x4 Microstrip Monopulse Patch Antenna In C-Band International Conference on thElectrical, Electronics and Computer Engineering, 12 May 2013 Mysore, ISBN: 978-81-927147-3-8 99 horizontal 50 ohm lines on either side are connected to a 100 ohm line using quarter wavelength stubs of impedance 707 ohms, using equation (2) The port is

Design and Simulation of Microstrip patch array antenna ...

Design and Simulation of Microstrip patch array antenna for C Band Application at IMT (4400-4900 MHz) advanced spectrum with Series feed and parallel feed Kuldeep Kumar Singh, Dr SC Gupta Abstract - Micro strip patch array antenna has proved importance of itself in wireless application fields In current worldwide society, communication

Design and Performance analysis of Microstrip Patch ...

Fig 8 Smith chart of the antenna design V CONCLUSION In this paper a rectangular microstrip antenna for C band applications has been proposed and designed using CST Microwave Studio 2016 software It has been examined that the antenna is resonant at a frequency of 554 GHz with a return loss of ...

C-Band Microstrip Band Pass Filter Design

The band pass filter is then further designed using lumped components (L & C), Ideal microstrip lines, practical microstrip lines, and finally microstrip layout version is also presented at the last

Microstrip patch antenna for C band satellite application

As shown in figure1 the dimension of the proposed C band microstrip antenna is 40X40mm which is fabricated using copper The side width of the patch antenna is 172mm and it is fed with 50 and feed line is connected to standard connector The design of the ...

Subarray Design for C-Band Circularly-Polarized Synthetic ...

Previously, the design of C-band CP-SAR antenna has been proposed, but neither IBW nor ARBW meets the requirements of the CP-SAR system, which is less than 5% [18] In this paper, a new design of 4× 4 broadband circularly polarized microstrip antenna as subarray element for the airborne C-band CP-SAR sensor will be presented

DESIGN ANALYSIS OF SHORTING PIN MICROSTRIP PATCH ...

entitled "Design Analysis of Shorting pin Microstrip Patch Antenna for C-band Application" submitted to the Department of Electronics and Communication Engineering, in the Faculty of Engineering and Technology, Sam Higginbottom University of Agriculture, Technology and ...

Microstrip, Stripline, and CPW Design - QSL.net

the value of Microstrip line as the basis for microwave components So, the Microstrip line was compared to an antenna, and it wasn't until about 15 years later, when the Microstrip Patch Antenna was proposed, which was based on precisely the same concept

Design and construction of microstrip circulators

mensions, and to use more efficient means of providing dc magnetic bias it was possible to reduce the size still fur ther, and adapt the element to the unsymmetrical microstrip transmission line Building microstrip circulators is a new process using state of the art techniques There is a great deal of re

Design & Development of a Ku-Band Microstrip Array Antenna

Design & Development of a Ku-Band Microstrip Array Antenna Diptiman Biswas, Priya BK 1, Nataraj B, Dr V Ramachandra, Prof V N Dabade1 Aeronautical Development Establishment Defence R & D Organisation, Ministry of Defence

Design, Fabrication And Analysis of Parallel-Coupled Line ...

and simulation of a conventional parallel-coupled line band pass microstrip filter for C-Band communication The band pass filter operates at a centre frequency of 693 GHz suitable for C-Band communication A miniature 4th order filter is considered to obtain better selectivity and stop band rejection with a bandwidth of 693 MHz and a

Microstrip Patch Antenna Design for Ku Band Application

[21] R Che, B Dong, and C Yu, "Study and design of Ku band direct broadcast satellite microstrip antenna array," Proceedings of ICCTA, 2009 [22] M Ghiyasvand, H R Dalili Oskouei, and K Forooghi, "Broadband Proximity Coupled Microstrip Antenna for Direct Broadcast Satellite Reception Using PBG Structures," Microwave Conference

Miniaturized Microstrip Reflectarray Antenna Design for Ku ...

Miniaturized Microstrip Reflectarray Antenna Design for Ku-Band Applications Namrata V Langhnoja #1, Dr Ved Vyas Dwivedi#2 [1] Research Scholar, School ...

Design of Microstrip Parallel Coupled Band Pass Filter for ...

a specific bandwidth This paper describes the design of low cost L-band Parallel coupled microstrip Band pass filter(BPF) for GPS system by using micro strip layout at center frequency 1575 GHz for permittivity 44 value with a substrate thickness 16mm for order $n=3$ The design and simulation are performed using 3D full

UWB Square Microstrip Patch Antenna for C-Band Applications

UWB Square Microstrip Patch Antenna for C-Band Applications Wissam T Alshammari Abstract- A square UWB microstrip patch antenna with reduced ground plane is designed for C -Band applications Proposed antenna has basic square shape with microstrip feed line of 50 ohm

Design of Rectangular Microstrip Patch Antenna

Design of Rectangular Microstrip Patch Antenna Houda Werfelli, Khaoula Tayari, Mondher Chaoui, Mongi Lahiani, Hamadi Ghariani line, expanding the band by varying its dimensions

RF / Microwave PC Board Design and Layout

)Signal Band can be Narrow or Wide *Narrow Band Circuits usually have Pass Band less than 1 MHz * Broad Band Circuits Pass a Range of Frequencies up to 10's of MHz 8 RF / Microwave Design - Basics)When Digital and Microwave exist in the Same Unit, Pass Bands of Micro-wave Circuits usually fall (by design) Outside the Harmonic Range of the

DESIGN OF TUNABLE EDGE-COUPLED MICROSTRIP ...

Design of Tunable Edge-Coupled Microstrip Bandpass Filters by Srinidhi V Kaveri, Master of Science Utah State University, 2008 Major Professor: Dr Edmund Spencer Department: Electrical and Computer Engineering This thesis is a study of tunability of edge-coupled lters Microstrip edge-coupled

Design of Probe Feed Microstrip Patch Antenna in S- Band

Design of Probe Feed Microstrip Patch Antenna in S-Band 419 Figure 2: Electric field from a microstrip patch antenna Figure 3: Increase in length of the microstrip patch Probe Feed Microstrip Antenna Typically, to excite the fundamental TEM mode, the length L of the rectangular patch